## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING  AMENDED REPORT  DIVISION OF OIL, GAS AND MINING																			
APPLICATION FOR PERMIT TO DRILL										1. WELL NAME and NUMBER  NBU 1021-3004BS									
2. TYPE OF WORK  DRILL NEW WELL REENTER P&A WELL DEEPEN WELL										3. FIELD OR WILDCAT NATURAL BUTTES									
4. TYPE OF WELL  Gas Well Coalbed Methane Well: NO										5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES									
6. NAME OF OPERATOR  KERR-MCGEE OIL & GAS ONSHORE, L.P.										7. OPERATOR PHONE 720 929-6515									
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217										9. OPERATOR E-MAIL julie.jacobson@anadarko.com									
	RAL LEASE N L, INDIAN, OI	UMBER			11. MINERAL OWNE	ERSHIP DIAN	STATE FEE			12. SURFACE OWNERSHIP FEDERAL INDIAN STATE FEE									
13. NAMI	E OF SURFACE	14. SURFACE OWNER PHONE (if box 12 = 'fee')																	
15. ADDI	RESS OF SURF	16. SURFACE OWNER E-MAIL (if box 12 = 'fee')																	
	AN ALLOTTEE 2 = 'INDIAN')	OR TRIBE NAME		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS  YES (Submit Commingling Application) NO ()					19. SLANT  VERTICAL DIRECTIONAL HORIZONTAL										
20. LOCATION OF WELL					FOOTAGES		QTR-QTR		ECTION	TOWNSHIP F		ANGE MERIDIAN		RIDIAN					
LOCATION AT SURFACE 11					'9 FSL 971 FEL		SESE		30	10.0 S	21.0 E		S						
<b>Top of Uppermost Producing Zone</b> 49					FSL 1831 FEL		SWSE		30	10.0 S	21.0	1.0 E S		S					
At Total Depth 49					9 FSL 1831 FEL		SWSE		30			1.0 E S		S					
21. COUNTY UINTAH  22. DISTANCE TO NEAREST LE. 499									SE LINE (Feet) 23. NUMBER OF ACRES IN DRILLING UNIT 644										
25. DISTANCE TO NEAREST (Applied For Drilling or Com								AME F	POOL	<b>26. PROPOSED DEPTH</b> MD: 9539 TVD: 9349									
27. ELEV	ATION - GROU	JND LEVEL 5251		28. BOND NUMBER 22013542					29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496										
Hole, Casing, and Cement Information																			
String	Hole Size	Casing Size	Length		ight Grade & Th				-	Cement		Sacks	Yield	Weight					
Surf	11	8.625	0 - 2040	20	8.0 J-55 LT	ac .	&C 0.2		_	Type V Class G		180 270	1.15	15.8 15.8					
Prod	7.875	7.875 4.5 0 - 9539 1		1:	1.6 I-80 Butt	tress	5 12.5		Prem	nium Lite High Strength		270	3.38	11.0					
										50/50 Poz		1130	1.31	14.3					
					A <sup>-</sup>	TTACH	HMENTS												
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES																			
WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER								COMPLETE DRILLING PLAN											
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)								FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER											
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)								TOPOGRAPHICAL MAP											
NAME D	anielle Piernot			TI	TLE Regulatory Analys		PHONE 720 929-6156												
SIGNATURE					<b>ITE</b> 03/14/2011		EMAIL danielle.piernot@anadarko.com												
<b>API NUMBER ASSIGNED</b> 43047515100000					APPROVAL					20 Gill									
									Pern	Permit Manager									

## T10S, R21E, S.L.B.&M. 80.32 (G.L.O.) Found 1928 S89°50'50"E - 2673.34' (Meas.) S89°50'50"E - 2652.12' (Meas.) Found a Brass Cap in set Stone. pile of stones. Found 2010 Uintah County Aluminum Cap with pile of stones. NBU 1021-30O4BS (Surface Position) N00°03'22"W - 2659.19' (Meas. NAD 83 LATITUDE = 39.914523° (39° 54′ 52.284″) LOT 1 LONGITUDE = 109.588487° (109° 35' 18.553") N0°09'W - 40.31 (G.L.O.) NAD 27 LATITUDE = 39.914558° (39° 54' 52.409") 2658.13' LONGITUDE = 109.587799° (109° 35' 16.075") 1/16 Cor. Not 1/16 Cor. Not Monumented S89°51'14"E - 5337.15' (Meas.) Monumented 80.54 (G.L.O.) NBU 1021-30O4BS (Bottom Hole) NAD 83 LATITUDE = 39.912695° (39° 54' 45.702") LONGITUDE = 109.591524° (109° 35' 29.487") LOT 2 NAD 27 LATITUDE = 39.912730° (39° 54' 45.827") LONGITUDE = 109.590836° (109° 35' 27.008") S89°51'38"E - 5348.84' (Meas.) Found 1928 Found 2010 Brass Cap in - 30 -**Uintah County** pile of stones Aluminum Cap. 80.40 | (G.L.O.) **Bearings**) **WELL LOCATION:** LOT 3 NBU 1021-30O4BS 0 ELEV. UNGRADED GROUND = 5250.8' N0°27'W - 39 07 (G L 49 S00°33'37"E (Basis of 1/16 Cor. Not 1/16 Cor. Not - 2578. Monumented S89°26'06"E - | 5353.22' (Meas.) Monumented 80.48 (G.L.O.) 971**'** Bottom of Well Surface Hole Position LOT 4 1831<sup>1</sup> Found 2010 Uintah County Aluminum Found 1928 Cap in pile of stones Brass Cap in Found Rebar in S89°00'36"E - 2701.52' (Meas.) S89°00'36"E - 2656.37' (Meas.) pile of stones. pile of stones. 80.68 (G.L.O.) 0001 **NOTES:** = Section Corners Located 1. Well footages are measured at right angles to the Section Lines. SCALE 2. G.L.O. distances are shown in feet or chains. SURVEYOR'S CERTIFICATE 1 chain = 66 feet. 3. The Bottom of hole bears \$52°03'44"W 1081.70' THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED from the Surface Position. FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE 4. Bearings are based on Global Positioning Satellite AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. observations. 5. Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'. STRATION 130, 6028691 Kerr-McGee Oil & Gas Onshore, LP 1099 18th Street - Denver, Colorado 80202 **WELL PAD: NBU 1021-30P** (435) 789-1365 TIMBERLINE ENGINEERING & LAND SURVEYING, INC. NBU 1021-30O4BS 209 NORTH 300 WEST - VERNAL, UTAH 84078 **WELL PLAT** DATE SURVEYED: CONSULTING, LLC SHEET NO: SURVEYED BY: D.J.S. 10-28-10 499' FSL, 1831' FEL (Bottom Hole) 2155 North Main Street DATE DRAWN: DRAWN BY: B.M. Sheridan WY 82801 SW $\frac{1}{4}$ SE $\frac{1}{4}$ OF SECTION 30, T10S, R21E, Phone 307-674-0609 Date Last Revised: S.L.B.&M., UINTAH COUNTY, UTAH. SCALE: 1" = 10001 1 OF 16

Fax 307-674-0182

12-14-10 M.W.W